

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Jang-keun OH et al.

Application No: 10/840,230

Filed: May 7, 2004

For: CYCLONE SEPARATING APPARATUS AND VACUUM CLEANER HAVING

Group Art Unit: 1724

Confirmation No. 9692

Examiner: Robert A. HOPKINS

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INFORMATION DISCLOSURE STATEMENT

FEB 02 2007

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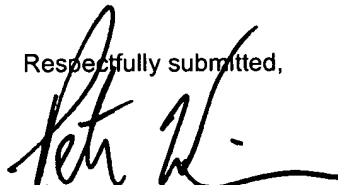
Sir:

Pursuant to 37 CFR §§ 1.56, 1.97 and 1.98, Applicant(s) wish to make of record the references listed on the attached form PTO/SB/08 (substitute for PTO-1449). Copies of the listed references are attached, where required, as are either statements of relevancy (☐ attached) or any readily available English translations of pertinent portions of any non-English language references.

- ☒ This Information Disclosure Statement (IDS) is being filed with a Petition to Withdraw from Issue and a Request for Continued Examination (RCE). The Petition and RCE fees are authorized separately. No certification or fee is required for the IDS.
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- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 23-2185. A duplicate copy of this sheet is enclosed.

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Respectfully submitted,



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/840,230
Filing Date	May 7, 2004
First Named Inventor	Jang-keun OH et al.
Art Unit	1724
Examiner Name	Robert A. HOPKINS
Attorney Docket Number	116511.00131

Sheet

1

of

3

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US 6,746,500	06/08/2004	Park et al.	
		US 1,416,995	05/23/1922	Stroud	
		US 6,582,489	06/24/2003	Conrad	
		US 7,169,201	01/30/2007	Oh et al.	
		US 1,207,034	12/05/1916	Harsant	
		US 1,416,885	05/23/1922	Schreiner	
		US 7,097,680	08/29/2006	Oh	
		US 2005-0050678 A1	03/10/2005	Oh et al.	
		US 3,769,781	11/06/1973	Klein et al.	
		US 5,307,538	05/03/1994	Rench et al.	

**RECEIVED****FEB 02 2007****OFFICE OF PETITIONS****FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		DE 10 2004 028 675	06/14/2004	Samsung Gwangju Electronics Co. Ltd.		Abstract
		DE 10 2004 028 676	04/07/2005	Samsung Gwangju Electronics Co. Ltd.		Abstract
		DE 10 2004 028 677	03/31/2005	Samsung Gwangju Electronics Co. Ltd.		Abstract
		GB 2374305	10/16/2002	Dyson Ltd.		
		JP S52-14775	02/02/1977			Abstract
		JP 2003-024826	01/28/2003	Casle KK		Abstract
		GB 2406065	03/23/2005	Samsung Gwangju Electronics Co. Ltd.		
		GB 2360719	10/03/2001	Notetly Ltd.		
		GB 2381484	05/07/2003	Polar Light et al.		
		WO 02/067756	09/06/2002	Dyson Ltd.		

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**FOREIGN PATENT DOCUMENTS - CONTINUED**

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		GB 835884	05/25/1960	Theodore Rufus Naylor		
		GB 2377656	01/22/2003	Samsung Gwangju Electronics Co. Ltd.		
		GB 2375980	08/13/2003	Samsung Gwangju Electronics Co. Ltd.		
		CN 1389175	01/08/2003	Samsung Gwangju Electronics Co. Ltd.		Abstract
		JP 2003-116752	04/22/2003	Samsung Gwangju Electronics Co. Ltd.		Abstract
		JP 2002-172077	06/18/2002	Samsung Gwangju Electronics Co. Ltd.		Abstract
		JP 2002-051951	02/19/2002	Samsung Gwangju Electronics Co. Ltd.		Abstract
		DE 2811536	11/09/1978	The Bauer Bros. Co.		Yes (partial)
		WO 01/95780	12/20/2001	Fantom Technologies, Inc.		Abstract
		CN 1422187	06/04/2003	Dyson Ltd.		Abstract
		CN 1434688	08/06/2003	LG Electronics, Inc.		Abstract
		WO 00/44272	09/02/1999	Sundstrand Corp.		
		WO 03/30702	04/17/2003	Arcelik A.S.		
		WO 01/74493	10/11/2001	Dyson Ltd.		
Examiner Signature				Date Considered		

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	✓	GERMAN PATENT AND TRADEMARK OFFICE, Office Action dated July 4, 2006, with respect to German Application No. 102004028677.9 filed on June 14, 2004	Yes
	✓	CANADIAN PATENT OFFICE, Office Action issued August 17, 2006, with respect to Canadian Patent Application No. 2,469,533 filed on June 2, 2004	
	✓	RUSSIAN PATENT OFFICE, Office Action issued in connection with Russian Patent Application No. 2004118404	
	✓	FRENCH PATENT OFFICE, Search Report issued April 12, 2006, with respect to French Patent Application No. 0406487 filed on June 15, 2004	
	✓	BRITISH PATENT OFFICE, Combined Search and Examination Report issued October 29, 2004, with respect to British Patent Application No. 0412903.7	
	✓	RUSSIAN PATENT OFFICE, Office Action issued in connection with Russian Patent Application No. 2004120073	Yes
	✓	CHINESE PATENT OFFICE, Office Action issued January 20, 2006, in connection with Chinese Patent Application No. 200410049219.7 filed on June 2, 2004	Yes
	✓	SPANISH PATENT OFFICE, State of the Art Report issued April 17, 2006, with respect to Spanish Patent Application No. 200401753, filed on July 16, 2004	
	✓	JAPANESE PATENT OFFICE, Office Action issued June 20, 2006 with respect to Japanese Patent Application No. 2004-46393 filed on February 23, 2004	
	✓	GERMAN PATENT OFFICE, Office Action issued July 11, 2006 with respect to German Patent Application No. 102004028678.7 filed on June 14, 2004	Yes
	✓	RUSSIAN PATENT OFFICE, Office Action issued in connection with Russian Patent Application No. 2004121431	Yes
	✓	CHINESE PATENT OFFICE, Office Action issued January 6, 2006, with respect to Chinese Patent Application No. 200410049132.X	Yes
	✓	SPANISH PATENT OFFICE, Office Action issued March 16, 2006, with respect to Spanish Patent Application No. 200401731	
	✓	KOREAN PATENT OFFICE, Office Action issued July 29, 2005, with respect to Korean Patent Application No. 2003-63211 filed on September 9, 2003	

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